PCT/US99/11220

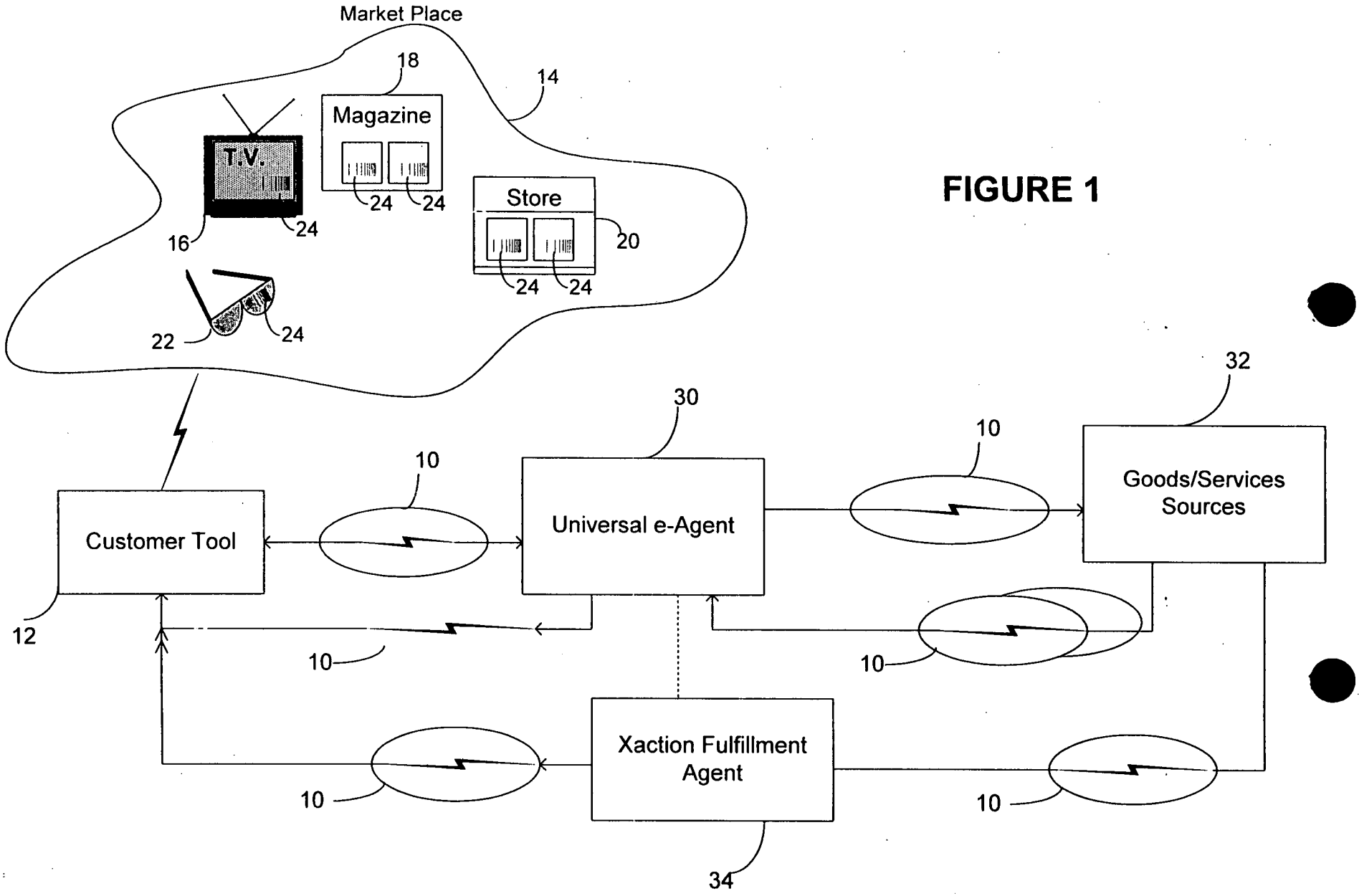


FIGURE 1

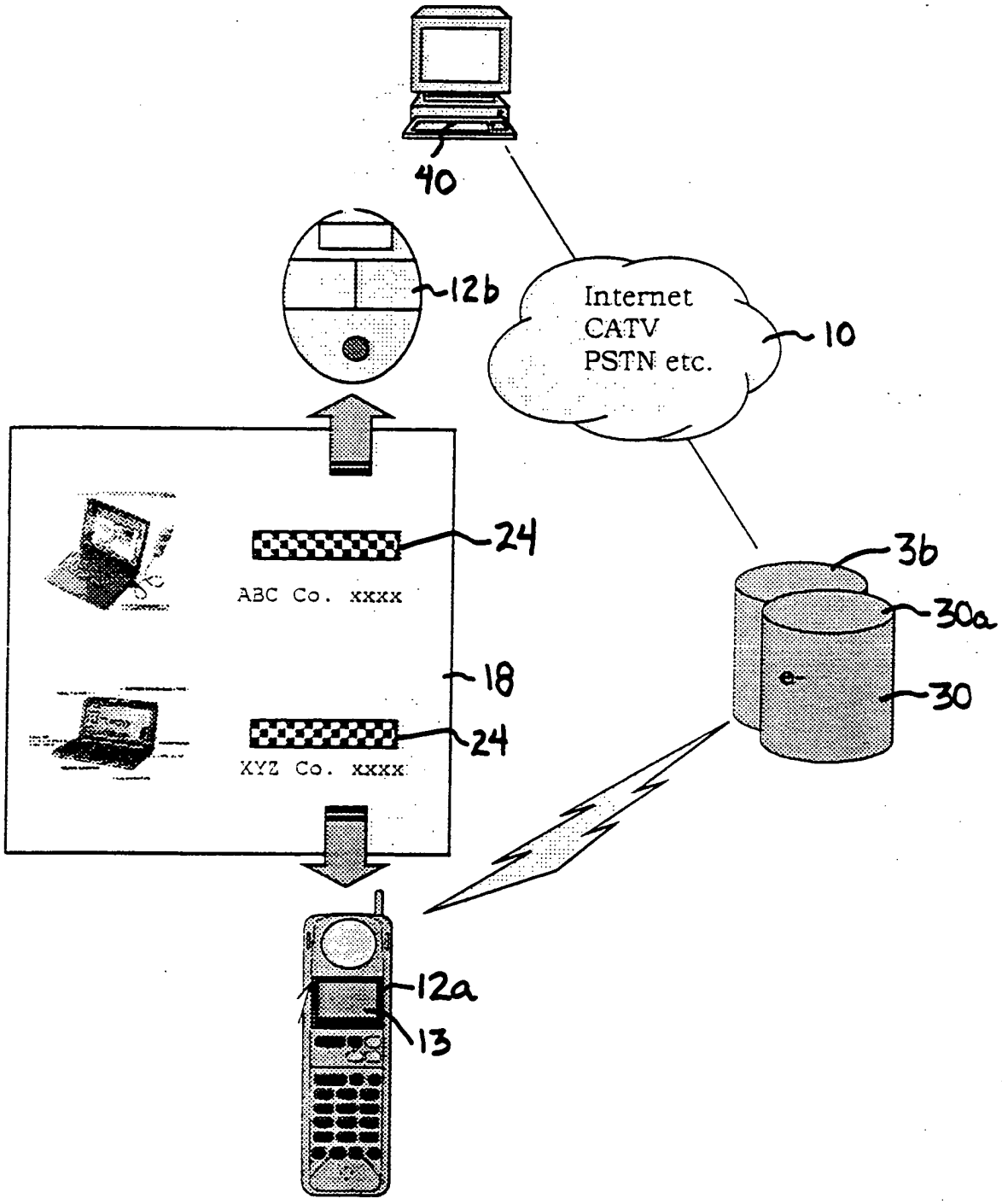
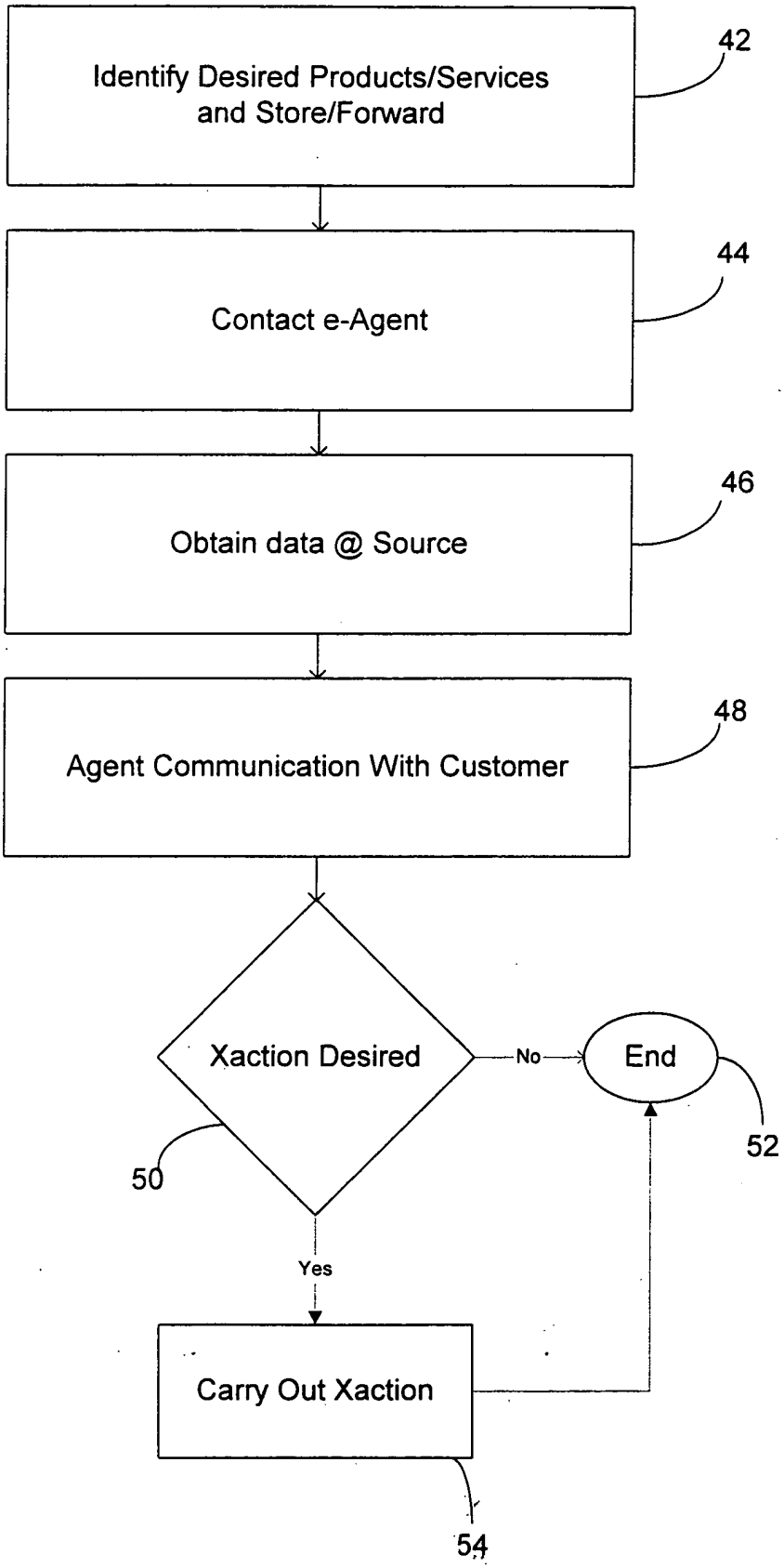

40
12b
Internet
CATV
PSTN etc.
10
24
ABC Co. xxxx
18
24
XYZ Co. xxxx
3b
30a
30
12a
13

FIGURE 2

FIGURE 3


Identify Desired Products/Services and Store/Forward
42
Contact e-Agent
44
Obtain data @ Source
46
Agent Communication With Customer
48
Xaction Desired
No
End
52
50
Yes
Carry Out Xaction
54

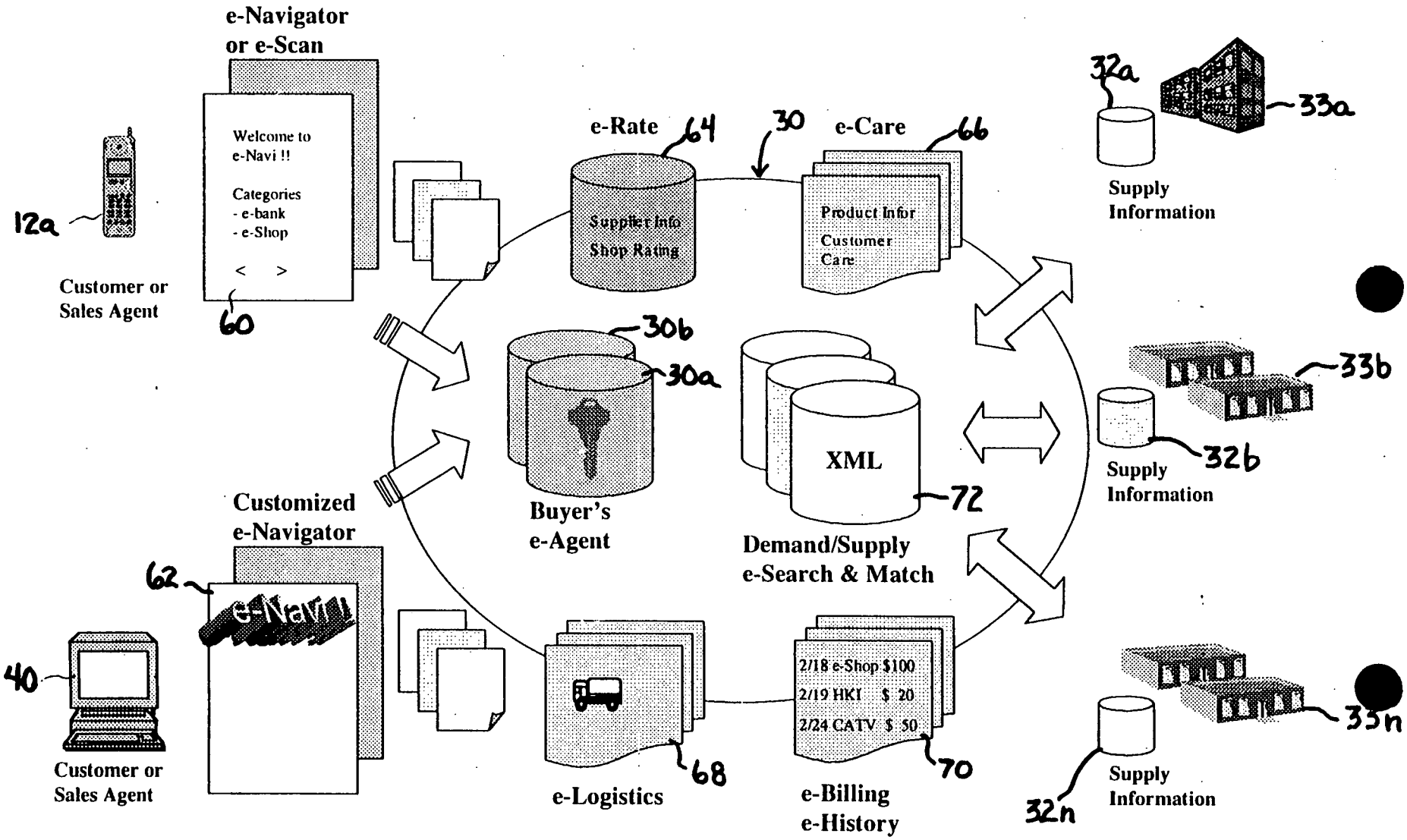

e-Navigator
or e-Scan
Welcome to
e-Navi !!
Categories
- e-bank
- e-Shop
< >
60
12a
Customer or
Sales Agent
e-Rate
64
30
e-Care
66
Supplier Info
Shop Rating
Product Infor
Customer
Care
32a
33a
Supply
Information
30b
30a
Buyer's
e-Agent
XML
72
Demand/Supply
e-Search & Match
33b
32b
Supply
Information
Customized
e-Navigator
62
e-Navi
40
Customer or
Sales Agent
e-Logistics
68
2/18 e-Shop $100
2/19 HKT $ 20
2/24 CATV $ 50
70
e-Billing
e-History
33n
32n
Supply
Information

FIGURE 4

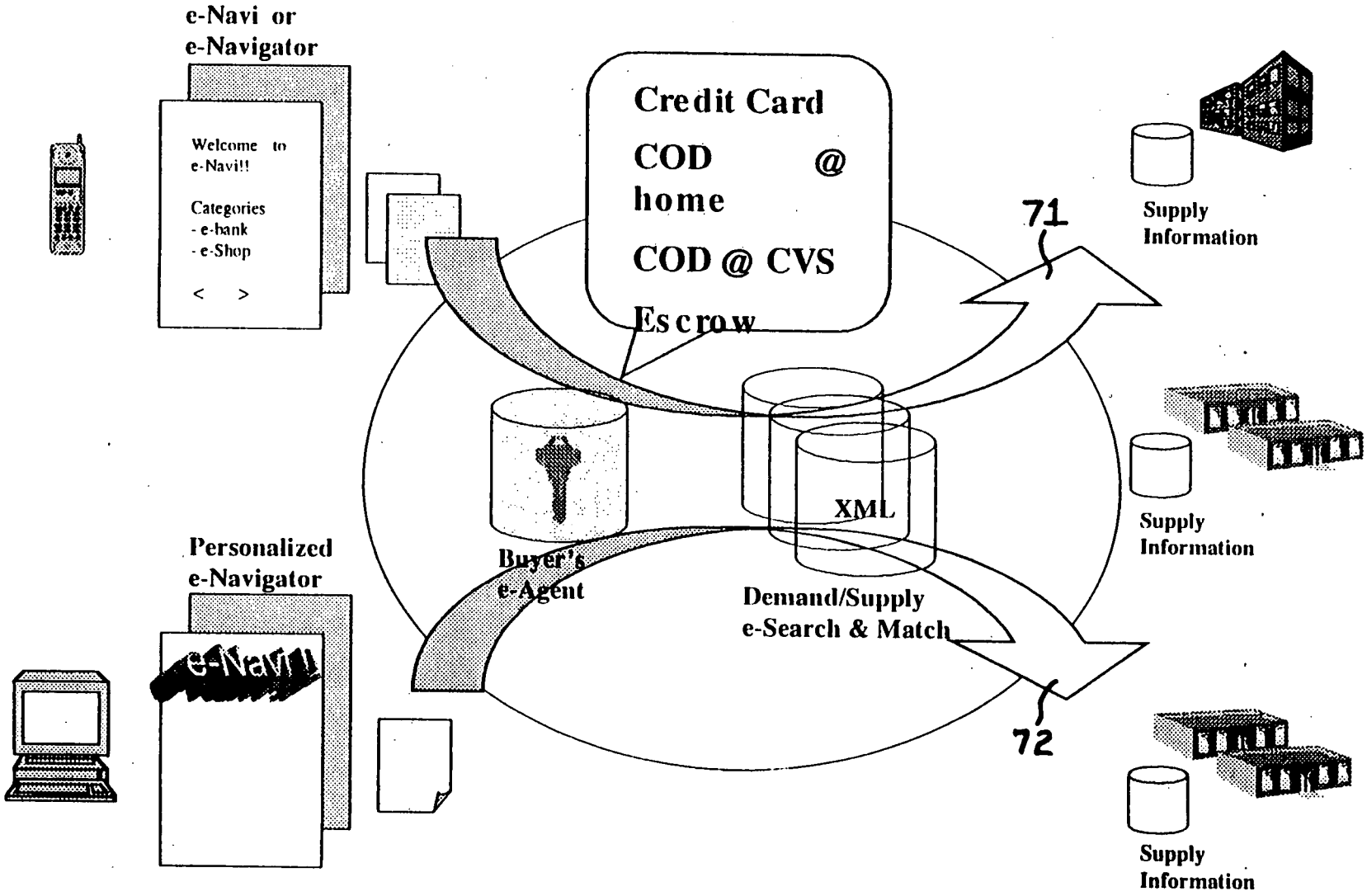

e-Navi or
e-Navigator
Welcome to
e-Navi!!
Categories
- e-bank
- e-Shop
< >
Credit Card
COD @
home
COD @ CVS
Escrow
71
Supply
Information
Supply
Information
Supply
Information
XML
Buyer's
e-Agent
Demand/Supply
e-Search & Match
72
Personalized
e-Navigator
e-Navi!

FIGURE 5

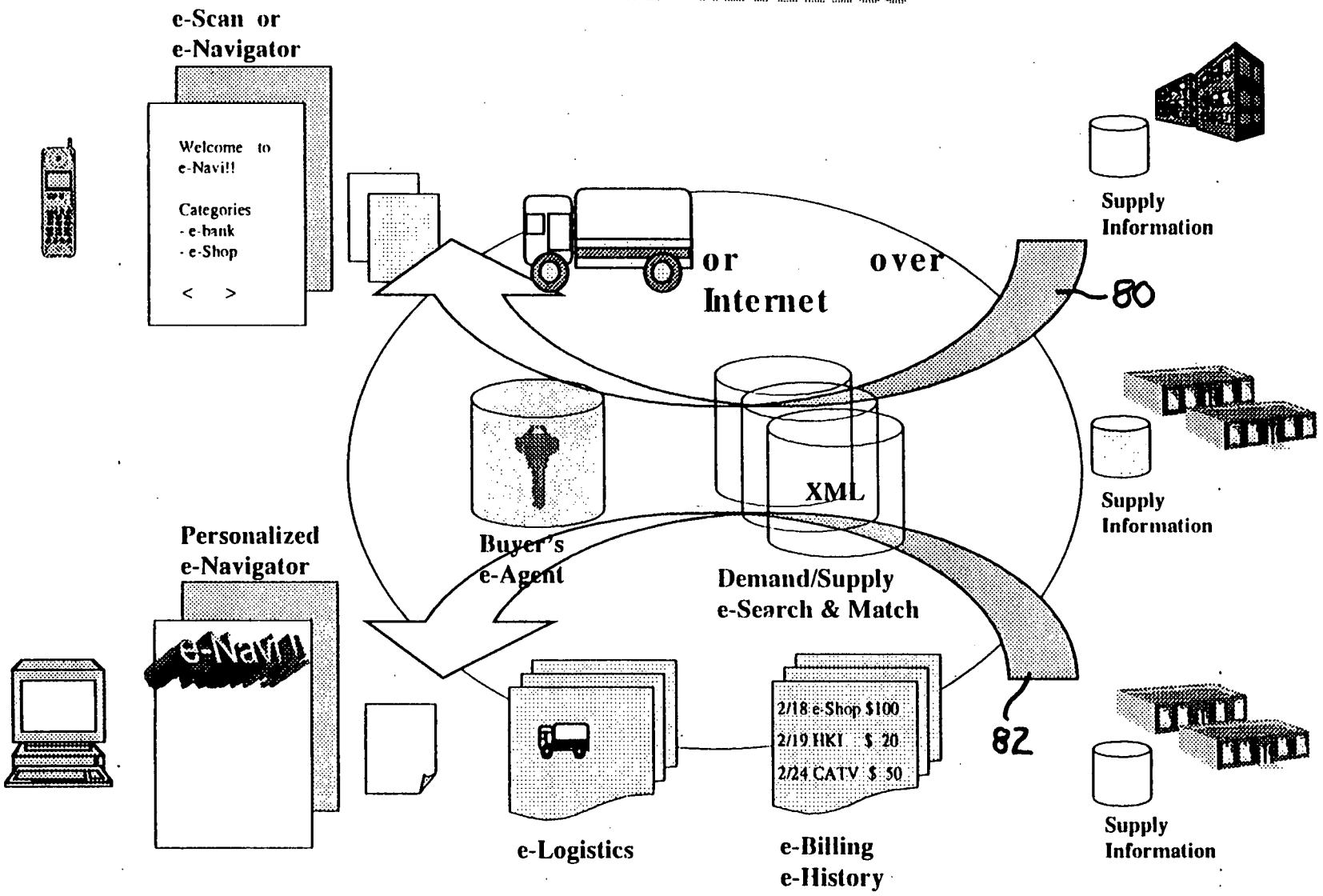

e-Scan or
e-Navigator
Welcome to
e-Navi!!
Categories
- e-bank
- e-Shop
< >
or over
Internet
80
Supply
Information
Supply
Information
Supply
Information
XML
Buyer's
e-Agent
Demand/Supply
e-Search & Match
Personalized
e-Navigator
e-Navi!
2/18 e-Shop $100
2/19 HKT $ 20
2/24 CATV $ 50
82
e-Logistics
e-Billing
e-History

FIGURE 6

FIGURE 7A

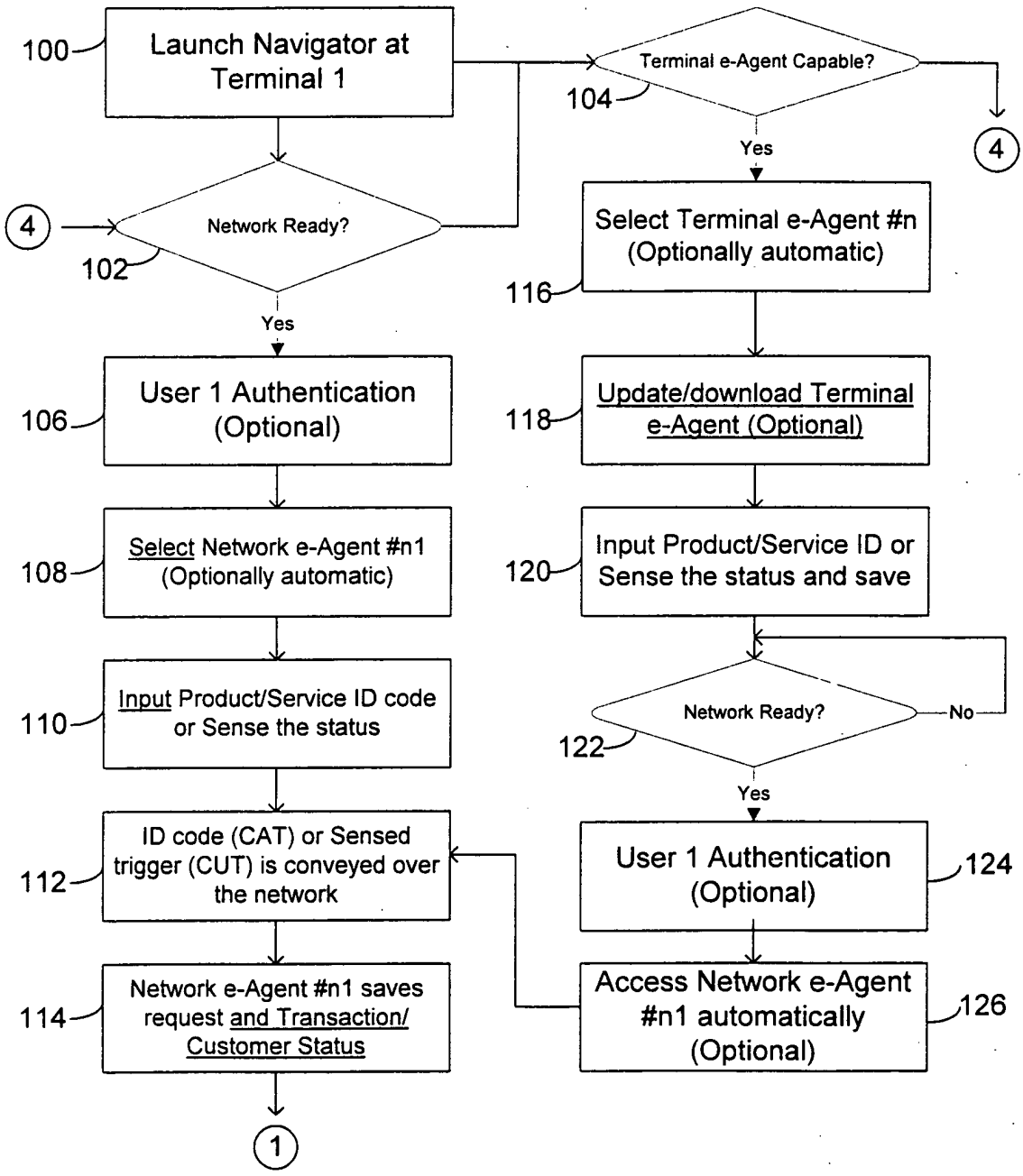

100
Launch Navigator at Terminal 1
Terminal e-Agent Capable?
104
Yes
4
4
Network Ready?
102
Yes
Select Terminal e-Agent #n (Optionally automatic)
116
User 1 Authentication (Optional)
106
Update/download Terminal e-Agent (Optional)
118
Select Network e-Agent #n1 (Optionally automatic)
108
Input Product/Service ID or Sense the status and save
120
Input Product/Service ID code or Sense the status
110
Network Ready?
No
122
Yes
ID code (CAT) or Sensed trigger (CUT) is conveyed over the network
112
User 1 Authentication (Optional)
124
Network e-Agent #n1 saves request and Transaction/ Customer Status
114
Access Network e-Agent #n1 automatically (Optional)
126
1

FIGURE 7B

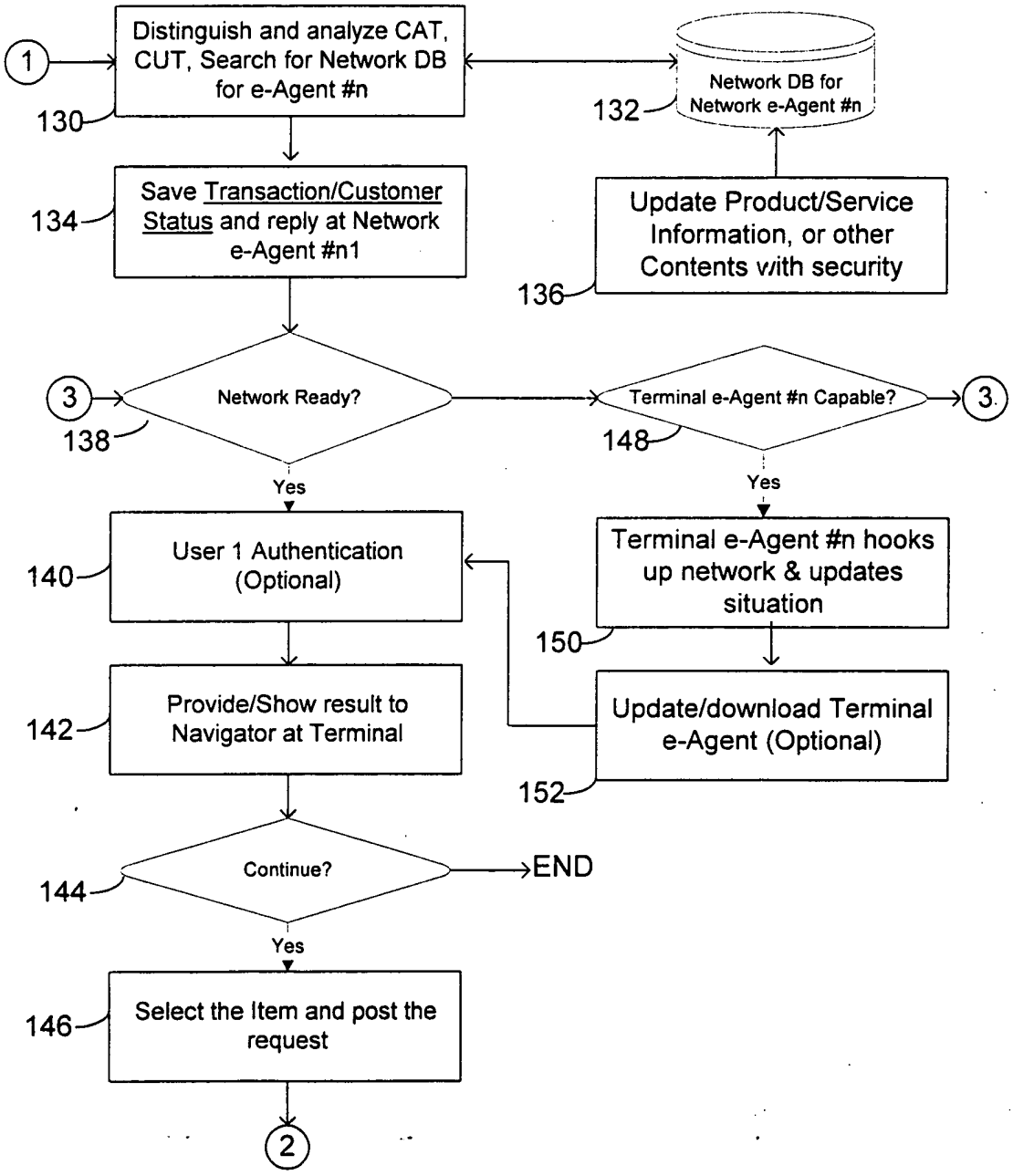
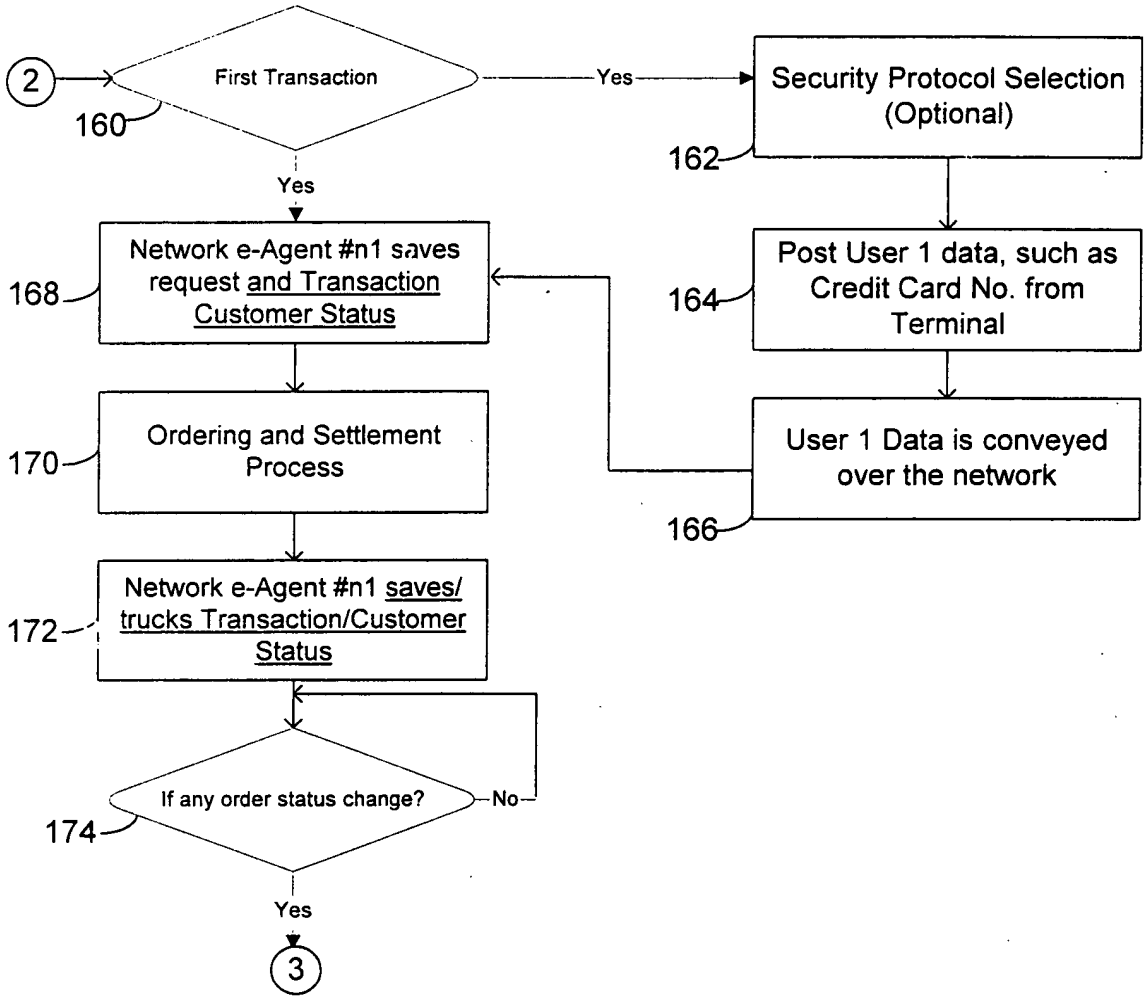

1
Distinguish and analyze CAT, CUT, Search for Network DB for e-Agent #n
130
Network DB for Network e-Agent #n
132
Save Transaction/Customer Status and reply at Network e-Agent #n1
134
Update Product/Service Information, or other Contents with security
136
3
Network Ready?
138
Terminal e-Agent #n Capable?
148
3
Yes
Yes
User 1 Authentication (Optional)
140
Terminal e-Agent #n hooks up network & updates situation
150
Provide/Show result to Navigator at Terminal
142
Update/download Terminal e-Agent (Optional)
152
Continue?
144
END
Yes
Select the Item and post the request
146
2

FIGURE 7C


2
First Transaction
160
Yes
Security Protocol Selection (Optional)
162
Yes
Post User 1 data, such as Credit Card No. from Terminal
164
Network e-Agent #n1 saves request and Transaction Customer Status
168
User 1 Data is conveyed over the network
166
Ordering and Settlement Process
170
Network e-Agent #n1 saves/ trucks Transaction/Customer Status
172
If any order status change?
174
No
Yes
3